Medical
Thomas

TABLE OF CONTENTS

NO. 1. JANUARY 1952

Ipsilateral facial representation in motor cortex of macaque. EDWARD W. LAUER ... 1

Cortical response to stimulation of lateral geniculate body and the potentiation thereof by continuous illumination of retina. HSIANG-TUNG CHANG ... 5

Cerebro-cerebellar relationships in the monkey. RAY S. SNIDER AND EARL ELDRED . 27

Does injury to an axon promptly induce altered excitability in its cell of origin? BIRDSEY RENSHAW AND HERBERT E. ROSENBAUM ... 41

Levels of integration of respiratory patterns. HEBBEL E. HOFF AND CARLYLE G. BRECKENRIDGE ... 47

Influence of morphine on respiratory patterns. CARLYLE G. BRECKENRIDGE AND HEBBEL E. HOFF ... 57

Studies on intraretinal action potential with low-resistance microelectrode. TSUNEO TOMITA AND AYA FUNAISHI ... 75

NO. 2. MARCH 1952

Projection of cortical area 6 to brain stem in monkey. ERIC W. PETERSON AND DONALD S. BICKERS ... 87

Selective action of anesthetics on synapses and axons in mammalian sympathetic ganglia. MARTIN G. LARRABEE AND JEAN M. POSTERNAK ... 91

Quantitative distribution of dipeptidase and acetylcholine esterase in architectonic layers of rat cerebral cortex. ALFRED POPE ... 115

Splanchnic afferent pathways in the central nervous system. ORLANDO AIDAR, WILLIAM A. GEOHEGAN AND LUISE H. UNGEWITTER ... 131

Distribution of potentials following stimulation of olfactory bulb in cat. C. M. BERRY, W. D. HAGAMEN AND J. C. HINSEY ... 139

Effects of localized cortical destruction on auditory discriminative conditioning in cat. DONALD R. MEYER AND CLINTON N. WOOLSEY ... 149

Review ... 163

Notices ... 164

NO. 3. MAY 1952

Sir Charles Scott Sherrington, O.M. (1857–1952) 167

Effect of ablation of prestriate cortex on auditory-visual association in monkey. EDWARD V. EVARTS 191

Sites of origin of electric potentials in striate cortex. G. H. BISHOP AND M. H. CLARE 201

Observations on the mechanism of experimental cerebellar seizures. SAM L. CLARK AND JAMES W. WARD 221

Maximum conduction velocities of motor fibers of ulnar nerve in human subjects of various ages and sizes. IRVING H. WAGMAN AND HENRY LESSE 235

Cortical projection zone of chorda tympani nerve in cat. HARRY D. PATTON AND V. E. AMASSIAN 245

Ludwig Edinger. PAUL GLEES 251

NO. 4. JULY 1952

Potential changes in spinal cord following administration of strychnine. CHANDLER McC. BROOKS AND M. G. F. FUORTES 257

Reflexes to stretch and contraction of antagonists around ankle joint. RAGNAR GRANIT 269

Electrical activity of single units in cervical cord. DOMINICK P. PURPURA AND PAUL O. CHATFIELD 281

Exteroceptive abdominal reflexes in dogs. J. TEN CATE 291

Descending spinal pathways mediating pressor responses of cerebral origin. J. F. KELL, JR., AND E. C. HOFF 299

On a "sympathetic" component in the afferent innervation of trunk dermatomes. A. VAN HARREVELD AND H. M. SMITH 313

Threshold movements produced by excitation of cerebral cortex and efferent fibers with some parametric regions of rectangular current pulses (cats and monkeys). JOHN C. LILLY, GEORGE M. AUSTIN, AND WILLIAM W. CHAMBERS 319

Notices 342

NO. 5. SEPTEMBER 1952

Microelectrode studies on medial geniculate body of cat. I. Thalamic region activated by click stimuli. JERZY E. ROSE AND ROBERT GALAMBOS 343

Microelectrode studies on medial geniculate body of cat. II. Response to clicks. ROBERT GALAMBOS, JERZY E. ROSE, REG. B. BROMILEY, AND JOHN R. HUGHES . 359

Microelectrode studies on medial geniculate body of cat. III. Response to pure tones. ROBERT GALAMBOS 381

Studies in somesthesis. II. Role of somatic sensory areas I and II in roughness discrimination in cat. JOHN P. ZUBEK 401

Electromyographic and monosynaptic definition of reflex excitability during muscle stretch. RAGNAR GRANIT AND CARL JOB 409

Food intake and spontaneous activity of rats with lesions in the amygdaloid nuclei. BAL K. ANAND AND JOHN R. BROBECK 421

Reviews 431

Notice 433

NO. 6. NOVEMBER 1952

Effect of auditory cortex ablation on auditory-visual association in monkey. EDWARD V. EVARTS 435

Effect of auditory cortex ablation on frequency discrimination in monkey. EDWARD V. EVARTS 443

Diffuse thalamic projection system in monkey. T. E. STARZL AND D. G. WHITLOCK .. 449

Retinal, cortical and motor responses to photic stimulation in man. Retino-cortical time and opto-motor integration time. MARCEL MONNIER 469

Vascular concomitants of spreading cortical depression. A. VAN HARREVELD AND J. S. STAMM 487

Modification of cochlear microphonics and action potentials by KCl solution and by direct currents. ICHIJI TASAKI AND CÉSAR FERNÁNDEZ 497

Reviews 513

Index 515